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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of

NAKAE *et al.*

Application Number 09/527,440

Filed March 17, 2000

For: PRIMER DESIGN SYSTEM



Art Unit 1631

Examiner N. Ogihara

✓ RECEIVED

OCT 26 2000

CENTER 1600/2900

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a response/amendment in the above-captioned application.

- ☐ Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A verified statement to establish small entity status under 37 C.F.R. §§ 1.9 and 1.27 is enclosed.
- ☒ No additional fee is required.

- ☐ Please charge my **Deposit Account Number 08-1480** in the amount of \$_____. A duplicate copy of this sheet is attached.
- ☐ A check in the amount of \$_____ for the _____ is attached.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 08-1480**. A duplicate copy of this sheet is attached.
- ☒ Also enclosed is a *Response to an Office Action and a petition for a one-month extension of time with appropriate fee.*

Respectfully submitted,

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October 23, 2000

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Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

This is in response to the office action dated June 21, 2000, in the above identified application, the period for response to which has been extended to expire on October 21, 2000, by the filing herewith of a petition for a one-month extension of time and payment of the required fee. Please amend the above identified application as follows:

IN THE SPECIFICATION:

Page 21, line 13, delete "second" and insert thereafter ~~---third--~~.

IN THE CLAIMS:

Please cancel claims 9, 10, 12, and amend the claims as follows:

1. (Amended)

A primer design system, comprising:

[a receiver for obtaining data on] means for selecting a mutually different plurality of mutually different DNA nucleotide sequences from a first database having data on a plurality of different DNA nucleotide sequences; and

a control unit for [controlling] controlling the system, said control unit [controlling] controlling:

[extracting] means for extracting a plurality of partial sequences meeting certain base length extraction conditions from the plurality of DNA nucleotide sequences[, the data for which were obtained by said receiver];

[detecting] means for [detecting certain conditions related to] determining the positions of said plurality of partial sequences related to each one of said DNA nucleotide sequences, and conditions of [their] each partial sequence's absence in DNA nucleotide sequences other than

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